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- ☐ 1: [Nemeckova S, Sroller V, Hainz P, Krystofova J, Smahel M, Kutinova L.](#) Related Articles, Links
 Experimental therapy of HPV16 induced tumors with IL12 expressed by recombinant vaccinia virus in mice.
Int J Mol Med. 2003 Nov;12(5):789-96.
PMID: 14533011 [PubMed - indexed for MEDLINE]
- ☐ 2: [Mackova J, Kutinova L, Hainz P, Krystofova J, Sroller V, Otahal P, Gabriel P, Nemeckova S.](#) Related Articles, Links
 Adjuvant effect of dendritic cells transduced with recombinant vaccinia virus expressing HPV16-E7 is inhibited by co-expression of IL12.
Int J Oncol. 2004 Jun;24(6):1581-8.
PMID: 15138603 [PubMed - indexed for MEDLINE]
- ☐ 3: [Hsieh CJ, Kim TW, Hung CF, Juang J, Moniz M, Boyd DA, He L, Chen PJ, Chen CH, Wu TC.](#) Related Articles, Links
 Enhancement of vaccinia vaccine potency by linkage of tumor antigen gene to gene encoding calreticulin.
Vaccine. 2004 Sep 28;22(29-30):3993-4001.
PMID: 15364449 [PubMed - indexed for MEDLINE]
- ☐ 4: [Smahel M, Sima P, Ludvikova V, Marinov I, Pokorna D, Vonka V.](#) Related Articles, Links
 Immunisation with modified HPV16 E7 genes against mouse oncogenic TC-1 cell sublines with downregulated expression of MHC class I molecules.
Vaccine. 2003 Mar 7;21(11-12):1125-36.
PMID: 12559790 [PubMed - indexed for MEDLINE]
- ☐ 5: [Rosales C, Graham VV, Rosas GA, Merchant H, Rosales R.](#) Related Articles, Links
 A recombinant vaccinia virus containing the papilloma E2 protein promotes tumor regression by stimulating macrophage antibody-dependent cytotoxicity.
Cancer Immunol Immunother. 2000 Sep;49(7):347-60.
PMID: 10999461 [PubMed - indexed for MEDLINE]
- ☐ 6: [Pokorna D, Mackova J, Duskova M, Rittich S, Ludvikova V, Smahel M.](#) Related Articles, Links
 Combined immunization with fusion genes of mutated E7 gene of human papillomavirus type 16 did not enhance antitumor effect.
J Gene Med. 2005 Jun;7(6):696-707.
PMID: 15712328 [PubMed - indexed for MEDLINE]

- ☐ 7: [Lamikanra A, Pan ZK, Isaacs SN, Wu TC, Paterson Y.](#) [Related Articles, Links](#)
 Regression of established human papillomavirus type 16 (HPV-16) immortalized tumors in vivo by vaccinia viruses expressing different forms of HPV-16 E7 correlates with enhanced CD8(+) T-cell responses that home to the tumor site.
J Virol. 2001 Oct;75(20):9654-64.
PMID: 11559797 [PubMed - indexed for MEDLINE]
- ☐ 8: [Valdez Graham V, Sutter G, Jose MV, Garcia-Carranca A, Erfle V, Moreno Mendoza N, Merchant H, Rosales R.](#) [Related Articles, Links](#)
 Human tumor growth is inhibited by a vaccinia virus carrying the E2 gene of bovine papillomavirus.
Cancer. 2000 Apr 1;88(7):1650-62.
PMID: 10738224 [PubMed - indexed for MEDLINE]
- ☐ 9: [Luo WF, Han LQ, Ren J, Tian HW, Lu ZH, Zhao L, Gu SY, Ruan L.](#) [Related Articles, Links](#)
 [Non-replicating recombinant vaccinia virus expressing HPV16 E6 and E7 proteins elicits anti-tumor immunity in mice]
Zhonghua Zhong Liu Za Zhi. 2003 Jul;25(4):335-9. Chinese.
PMID: 12921560 [PubMed - indexed for MEDLINE]
- ☐ 10: [Indrova M, Bubenik J, Mikyskova R, Mendoza L, Simova J, Bieblova J, Jandlova T, Jinoch P, Smahel M, Vonka V, Pajtasz-Piasecka E.](#) [Related Articles, Links](#)
 Chemoimmunotherapy in mice carrying HPV16-associated, MHC class I+ and class I- tumours: Effects of CBM-4A potentiated with IL-2, IL-12, GM-CSF and genetically modified tumour vaccines.
Int J Oncol. 2003 Mar;22(3):691-5.
PMID: 12579325 [PubMed - indexed for MEDLINE]
- ☐ 11: [Colmenero P, Chen M, Castanos-Velez E, Liljestrom P, Jondal M.](#) [Related Articles, Links](#)
 Immunotherapy with recombinant SFV-replicons expressing the P815A tumor antigen or IL-12 induces tumor regression.
Int J Cancer. 2002 Apr 1;98(4):554-60.
PMID: 11920615 [PubMed - indexed for MEDLINE]
- ☐ 12: [Indrova M, Bieblova J, Jandlova T, Vonka V, Pajtasz-Piasecka E, Reinis M.](#) [Related Articles, Links](#)
 Chemotherapy, IL-12 gene therapy and combined adjuvant therapy of HPV 16-associated MHC class I-proficient and -deficient tumours.
Int J Oncol. 2006 Jan;28(1):253-9.
PMID: 16328003 [PubMed - indexed for MEDLINE]
- ☐ 13: [He YK, Lui VW, Baar J, Wang L, Shurin M, Almonte C, Watkins SC, Huang L.](#) [Related Articles, Links](#)
 Potentiation of E7 antisense RNA-induced antitumor immunity by co-delivery of IL-12 gene in HPV16 DNA-positive mouse tumor.
Gene Ther. 1998 Nov;5(11):1462-71.
PMID: 9930299 [PubMed - indexed for MEDLINE]
- ☐ 14: [Chen B, Timiryasova TM, Haghighat P, Andres ML, Kajioka EH, Dutta-Roy R, Gridley DS, Fodor L.](#) [Related Articles, Links](#)
 Low-dose vaccinia virus-mediated cytokine gene therapy of glioma.
J Immunother. 2001 Jan-Feb;24(1):46-57.

PMID: 11211148 [PubMed - indexed for MEDLINE]

- ☐ 15: [Carroll MW, Overwijk WW, Surman DR, Tsung K, Moss B, Restifo NP.](#) [Related Articles, Links](#)



Construction and characterization of a triple-recombinant vaccinia virus encoding B7-1, interleukin 12, and a model tumor antigen.

J Natl Cancer Inst. 1998 Dec 16;90(24):1881-7.

PMID: 9862625 [PubMed - indexed for MEDLINE]

- ☐ 16: [Von Beust BR, Brown WC, Estes DM, Zarlenga DS, McElwain TF, Palmer GH.](#) [Related Articles, Links](#)



Development and in vitro characterization of recombinant vaccinia viruses expressing bovine leukemia virus gp51 in combination with bovine IL4 or IL12.

Vaccine. 1999 Jan 28;17(4):384-95.

PMID: 9987178 [PubMed - indexed for MEDLINE]

- ☐ 17: [Dominiecki ME, Beatty GL, Pan ZK, Neeson P, Paterson Y.](#) [Related Articles, Links](#)



Tumor sensitivity to IFN-gamma is required for successful antigen-specific immunotherapy of a transplantable mouse tumor model for HPV-transformed tumors.

Cancer Immunol Immunother. 2005 May;54(5):477-88. Epub 2004 Oct 6.

PMID: 15750832 [PubMed - indexed for MEDLINE]

- ☐ 18: [Dasgupta S, Tripathi PK, Bhattacharya-Chatterjee M, O'Malley B Jr, Chatterjee SK.](#) [Related Articles, Links](#)



Recombinant vaccinia virus expressing IL-2 generates effective anti-tumor responses in an orthotopic murine model of head and neck carcinoma.

Mol Ther. 2003 Aug;8(2):238-48.

PMID: 12907146 [PubMed - indexed for MEDLINE]

- ☐ 19: [Mikyskova R, Indrova M, Simova J, Jandlova T, Bieblova J, Jinoch P, Bubenik J, Vonka V.](#) [Related Articles, Links](#)



Treatment of minimal residual disease after surgery or chemotherapy in mice carrying HPV16-associated tumours: Cytokine and gene therapy with IL-2 and GM-CSF.

Int J Oncol. 2004 Jan;24(1):161-7.

PMID: 14654953 [PubMed - indexed for MEDLINE]

- ☐ 20: [Pantuck AJ, van Ophoven A, Gitlitz BJ, Tso CL, Acres B, Squiban P, Ross ME, Belldegrin AS, Figlin RA.](#) [Related Articles, Links](#)



Phase I trial of antigen-specific gene therapy using a recombinant vaccinia virus encoding MUC-1 and IL-2 in MUC-1-positive patients with advanced prostate cancer.

J Immunother. 2004 May-Jun;27(3):240-53.

PMID: 15076142 [PubMed - indexed for MEDLINE]

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☐ 1. Document ID: US 6869793 B2

L4: Entry 1 of 5

File: USPT

Mar 22, 2005

US-PAT-NO: 6869793

DOCUMENT-IDENTIFIER: US 6869793 B2

TITLE: Recombinant MVA virus expressing dengue virus antigens, and the use thereof in vaccines

DATE-ISSUED: March 22, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Cardosa; Mary Jane	Sarawak			MY
Sutter; Gerd	Munich			DE
Erfle; Volker	Munich			DE

US-CL-CURRENT: [435/320.1](#); [435/325](#), [435/69.3](#), [536/23.72](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Drawings
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☐ 2. Document ID: US 6723695 B1

L4: Entry 2 of 5

File: USPT

Apr 20, 2004

US-PAT-NO: 6723695

DOCUMENT-IDENTIFIER: US 6723695 B1

**** See image for Certificate of Correction ****

TITLE: CTL epitopes from EBV

DATE-ISSUED: April 20, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Burrows; Scott Renton	Bald Hills			AU
Khanna; Rajiv	Herston			AU
Sherritt; Martina Alison	Kedron			AU

US-CL-CURRENT: [514/2](#); [435/320.1](#), [530/300](#), [530/327](#), [530/328](#), [536/23.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 6682742 B1

L4: Entry 3 of 5

File: USPT

Jan 27, 2004

US-PAT-NO: 6682742

DOCUMENT-IDENTIFIER: US 6682742 B1

TITLE: Vector for integration of heterologous sequences into poxviral genomes

DATE-ISSUED: January 27, 2004

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Wintersperger; Stefan	Icking			DE
Baier; Robert	Oberschleissheim			DE
Sutter; Gerd	Munchen			DE
Ohlmann; Marion	Munchen			DE
Erfler; Volker	Munchen			DE

US-CL-CURRENT: 424/199.1; 424/232.1, 435/235.1, 435/320.1, 435/325, 435/456,
435/471, 536/23.72

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 4. Document ID: US 6582693 B2

L4: Entry 4 of 5

File: USPT

Jun 24, 2003

US-PAT-NO: 6582693

DOCUMENT-IDENTIFIER: US 6582693 B2

TITLE: Recombinant MVA virus expressing the E2 gene of Bovine papillomavirus and its use in the therapy of tumors generated by papillomaviruses

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ledezma; Ricardo R.	Unidad Santa Fe			MX

US-CL-CURRENT: 424/93.2; 424/199.1, 424/204.1, 435/235.1, 435/320.1, 435/477

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 5. Document ID: US 6440422 B1

L4: Entry 5 of 5

File: USPT

Aug 27, 2002

US-PAT-NO: 6440422

DOCUMENT-IDENTIFIER: US 6440422 B1

TITLE: Recombinant MVA virus, and the use thereof

DATE-ISSUED: August 27, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Sutter; Gerd	Munich			DE
Ohlmann; Marion	Munich			DE
Erfile; Volker	Munich			DE

US-CL-CURRENT: 424/199.1; 424/184.1, 424/204.1, 424/205.1, 424/232.1, 435/235.1,
435/320.1, 435/5

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequence	Attachments	Claims	KMIC	Draw D
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☐ 1. Document ID: US 6969609 B1

L5: Entry 1 of 3

File: USPT

Nov 29, 2005

US-PAT-NO: 6969609

DOCUMENT-IDENTIFIER: US 6969609 B1

TITLE: Recombinant vector expressing multiple costimulatory molecules and uses thereof

DATE-ISSUED: November 29, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schlom; Jeffrey	Potomac	MD		
Hodge; James	Gaithersburg	MD		
Panicali; Dennis	Acton	MA		

US-CL-CURRENT: [435/325](#); [424/85.1](#), [424/9.1](#), [424/93.1](#), [435/320.1](#), [435/360](#), [435/362](#), [435/365.1](#), [435/366](#), [435/372](#), [435/372.1](#), [435/374](#), [435/375](#), [435/376](#), [435/377](#), [435/385](#), [435/386](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Draw Data
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☐ 2. Document ID: US 6893869 B2

L5: Entry 2 of 3

File: USPT

May 17, 2005

US-PAT-NO: 6893869

DOCUMENT-IDENTIFIER: US 6893869 B2

TITLE: Enhanced immune response to an antigen by a composition of a recombinant virus expressing the antigen with a recombinant virus expressing an immunostimulatory molecule

DATE-ISSUED: May 17, 2005

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Schlom; Jeffrey	Potomac	MD		
Kantor; Judith	Rockville	MD		
Hodge; James W.	Gaithersburg	MD		

US-CL-CURRENT: [435/325](#); [435/235.1](#), [435/320.1](#), [435/69.1](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 3. Document ID: US 6582693 B2

L5: Entry 3 of 3

File: USPT

Jun 24, 2003

US-PAT-NO: 6582693

DOCUMENT-IDENTIFIER: US 6582693 B2

TITLE: Recombinant MVA virus expressing the E2 gene of Bovine papillomavirus and its use in the therapy of tumors generated by papillomaviruses

DATE-ISSUED: June 24, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	ZIP CODE	COUNTRY
Ledezma; Ricardo R.	Unidad Santa Fe			MX

US-CL-CURRENT: [424/93.2](#); [424/199.1](#), [424/204.1](#), [435/235.1](#), [435/320.1](#), [435/477](#)

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 1. Document ID: EP 1516932 A1

L8: Entry 1 of 8

File: DWPI

Mar 23, 2005

DERWENT-ACC-NO: 2005-235287

DERWENT-WEEK: 200525

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TITLE: New poxviral particle having targeted infection specificity towards target cells, useful for gene therapy, e.g. preventing or treating cancers in mammals

INVENTOR: BALLOUL, J; GEIST, M ; PAUL, S

PRIORITY-DATA: 2001EP-0440009 (January 22, 2001), 2000EP-0440109 (April 14, 2000), 2000US-246080P (November 7, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>EP 1516932 A1</u>	March 23, 2005	E	034	C12N015/86

INT-CL (IPC): A61 K 35/76; A61 K 48/00; C07 K 14/705; C12 N 7/04; C12 N 15/62; C12 N 15/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KIMC	Drawings
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☐ 2. Document ID: US 20050245471 A1, WO 2003059395 A2, AU 2003216778 A1, EP 1463757 A2, JP 2005525314 W

L8: Entry 2 of 8

File: DWPI

Nov 3, 2005

DERWENT-ACC-NO: 2003-569629

DERWENT-WEEK: 200573

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TITLE: Combination product, useful for treating cancer, contains inhibitor of colony-stimulating factor-1 and cytotoxic agent

INVENTOR: BALLOUL, J; LACOSTE, J ; SCHOLL, S

PRIORITY-DATA: 2002FR-0000029 (January 3, 2002)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>US 20050245471 A1</u>	November 3, 2005		000	A61K048/00
<u>WO 2003059395 A2</u>	July 24, 2003	F	034	A61K048/00

<u>AU 2003216778 A1</u>	July 30, 2003		000	A61K048/00
<u>EP 1463757 A2</u>	October 6, 2004	F	000	C07K014/53
<u>JP 2005525314 W</u>	August 25, 2005		034	A61K048/00

INT-CL (IPC): A61 K 31/7105; A61 K 31/74; A61 K 35/76; A61 K 38/00; A61 K 39/00;
A61 K 39/395; A61 K 45/06; A61 K 48/00; A61 P 35/00; C07 K 14/53; C12 N 15/09;
C12 N 15/11; C12 Q 1/68

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D.
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☐ 3. Document ID: DE 60107746 T2, EP 1146125 A1, AU 200135190 A, CA 2341356 A1, JP 2002320475 A, JP 2002330774 A, US 20030165477 A1, EP 1146125 B1, DE 60107746 E, ES 2232574 T3, US 20050208074 A1

L8: Entry 3 of 8

File: DWPI

Dec 1, 2005

DERWENT-ACC-NO: 2002-001058

DERWENT-WEEK: 200579

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TITLE: New poxvirus particle with targeted infection specificity towards target cells for the treatment of a human or animal organism by gene therapy

INVENTOR: BALLOUL, J; GEIST, M ; PAUL, S ; BALLOUL, J M ; ERBS, P ; SILVESTRE, N

PRIORITY-DATA: 2001EP-0440009 (January 22, 2001), 2000EP-0440109 (April 14, 2000), 2000US-246080P (November 7, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 60107746 T2</u>	December 1, 2005		000	C12N015/86
<u>EP 1146125 A1</u>	October 17, 2001	E	030	C12N015/86
<u>AU 200135190 A</u>	October 18, 2001		000	C12N015/39
<u>CA 2341356 A1</u>	October 14, 2001	E	000	C12N015/62
<u>JP 2002320475 A</u>	November 5, 2002		097	C12N015/09
<u>JP 2002330774 A</u>	November 19, 2002		028	C12N015/09
<u>US 20030165477 A1</u>	September 4, 2003		000	A61K048/00
<u>EP 1146125 B1</u>	December 15, 2004	E	000	C12N015/86
<u>DE 60107746 E</u>	January 20, 2005		000	C12N015/86
<u>ES 2232574 T3</u>	June 1, 2005		000	C12N015/86
<u>US 20050208074 A1</u>	September 22, 2005		000	A61K039/275

INT-CL (IPC): A61 K 35/76; A61 K 38/00; A61 K 39/275; A61 K 39/285; A61 K 47/48;
A61 K 48/00; A61 P 3/10; A61 P 31/00; A61 P 35/00; A61 P 37/00; A61 P 43/00;
C07 K 1/22; C07 K 14/065; C07 K 14/705; C07 K 19/00; C12 N 7/00; C12 N 7/01;
C12 N 7/02; C12 N 7/04; C12 N 15/09; C12 N 15/39; C12 N 15/62; C12 N 15/63;
C12 N 15/86; C12 N 15/863; C12 N 15/869; C12 Q 1/70; C12 N 7/00; C12 N 7/02;
C12 R 1:93; C12 R 1:93; C12 N 7/00; C12 R 1:93

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWC	Draw D.
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☐ 4. Document ID: DE 69826661 T2, WO 9903885 A1, FR 2766091 A1, AU 9888127 A, EP 989999 A1, JP 2001510201 W, AU 749054 B, EP 989999 B1, DE 69826661 E, ES 2229528 T3, US 6884786 B1, US 20050159386 A1

L8: Entry 4 of 8

File: DWPI

Oct 6, 2005

DERWENT-ACC-NO: 1999-132161

DERWENT-WEEK: 200566

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TITLE: Antitumour composition containing immunogenic polypeptide with altered localisation - or vector expressing this polypeptide, particularly for treating or preventing cervical cancer associated with human papilloma virus

INVENTOR: BALLOUL, J; BIZOUARNE, N ; KIENY, M ; BALLOUL, J M ; KIENY, M P

PRIORITY-DATA: 1997FR-0009152 (July 18, 1997)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>DE 69826661 T2</u>	October 6, 2005		000	C07K014/025
<u>WO 9903885 A1</u>	January 28, 1999	F	073	C07K014/025
<u>FR 2766091 A1</u>	January 22, 1999		000	A61K039/12
<u>AU 9888127 A</u>	February 10, 1999		000	C07K014/025
<u>EP 989999 A1</u>	April 5, 2000	F	000	C07K014/025
<u>JP 2001510201 W</u>	July 31, 2001		085	C07K014/025
<u>AU 749054 B</u>	June 20, 2002		000	C07K014/025
<u>EP 989999 B1</u>	September 29, 2004	F	000	C07K014/025
<u>DE 69826661 E</u>	November 4, 2004		000	C07K014/025
<u>ES 2229528 T3</u>	April 16, 2005		000	C07K014/025
<u>US 6884786 B1</u>	April 26, 2005		000	A61K048/00
<u>US 20050159386 A1</u>	July 21, 2005		000	A61K048/00

INT-CL (IPC): A01 N 65/00; A61 K 39/12; A61 K 48/00; A61 P 31/20; A61 P 35/00; A61 P 37/04; C07 H 21/04; C07 K 14/025; C12 N 7/00; C12 N 15/09; C12 N 15/74; C12 N 15/85; C12 N 15/86

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWAC	Draw. D
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☐ 5. Document ID: EP 862634 B2, WO 9804705 A1, FR 2751879 A1, AU 9738552 A, EP 862634 A1, JP 2000500662 W, AU 736720 B, EP 862634 B1, DE 69706825 E, EP 1149910 A1, ES 2163795 T3, AU 200187237 A, EP 1149910 B1, DE 69728914 E, ES 2215805 T3, AU 781653 B2

L8: Entry 5 of 8

File: DWPI

Mar 1, 2006

DERWENT-ACC-NO: 1998-130693

DERWENT-WEEK: 200617

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TITLE: Composition for treating or preventing papilloma virus infection or tumours - contains peptide(s) from the early and late viral regions and optionally an immunostimulant, or corresponding nucleic acid sequences

INVENTOR: BALLOUL, J; BIZOUARNE, N ; KIENY, M ; KIENY, M P ; BALLOUL, J M

PRIORITY-DATA: 1996FR-0009584 (July 30, 1996), 2001AU-0087237 (November 1, 2001)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>EP 862634 B2</u>	March 1, 2006	F	000	C12N015/34
<u>WO 9804705 A1</u>	February 5, 1998	F	050	C12N015/37
<u>FR 2751879 A1</u>	February 6, 1998		043	A61K039/12
<u>AU 9738552 A</u>	February 20, 1998		000	C12N015/37
<u>EP 862634 A1</u>	September 9, 1998	F	000	C12N015/37
<u>JP 2000500662 W</u>	January 25, 2000		052	C12N015/09
<u>AU 736720 B</u>	August 2, 2001		000	C12N015/37
<u>EP 862634 B1</u>	September 19, 2001	F	000	C12N015/37
<u>DE 69706825 E</u>	October 25, 2001		000	C12N015/37
<u>EP 1149910 A1</u>	October 31, 2001	F	000	C12N015/37
<u>ES 2163795 T3</u>	February 1, 2002		000	C12N015/37
<u>AU 200187237 A</u>	May 23, 2002		000	A61K039/12
<u>EP 1149910 B1</u>	April 28, 2004	F	000	C12N015/37
<u>DE 69728914 E</u>	June 3, 2004		000	C12N015/37
<u>ES 2215805 T3</u>	October 16, 2004		000	C12N015/37
<u>AU 781653 B2</u>	June 2, 2005		000	A61K039/12

B2 INT-CL (IPC): A61 K 31/7088; A61 K 35/76; A61 K 38/00; A61 K 38/16; A61 K 38/20; A61 K 39/12; A61 K 39/385; A61 K 48/00; A61 P 31/12; A61 P 31/20; A61 P 35/00; A61 P 37/00; C12 N 15/09; C12 N 15/34; C12 N 15/37; C12 N 15/86; C12 N 15/09; C12 R 1:92

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw. D.
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☐ 6. Document ID: EP 268501 A, PH 31198 A, DK 8704380 A, AU 8777170 A, FR 2614305 A, FR 2614315 A, CN 8706696 A, EP 268501 B1, DE 3788852 G, ES 2061521 T3, US 5597570 A, CA 1340839 C, JP 3127261 B2, DK 173779 B

L8: Entry 6 of 8

File: DWPI

May 25, 1988

DERWENT-ACC-NO: 1988-141948

DERWENT-WEEK: 200254

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TITLE: New protein contg. epitopes of P28 Schistomonas antigen - corresp. DNA sequences and transformed cells and viruses, useful in vaccines and diagnosis

INVENTOR: BALLOUL, J; CAPRON, A ; GRZYCH, J ; KIENY, M ; LECOCQ, J ; LOISON, G ; PIERCE, R ; SONDERMEYER, P ; BALLOUL, J M ; GRZYCH, J M ; KIENY, M P ; LECOCQ, J P ; SONDERMEYE, P

PRIORITY-DATA: 1987FR-0005692 (April 22, 1987), 1986FR-0011986 (August 22, 1986), 1987FR-0005691 (April 22, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
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<u>EP 268501 A</u>	May 25, 1988	F	044	
<u>PH 31198 A</u>	May 5, 1998		000	A61K039/002
<u>DK 8704380 A</u>	February 23, 1988		000	
<u>AU 8777170 A</u>	May 19, 1988		000	
<u>FR 2614305 A</u>	October 28, 1988		000	
<u>FR 2614315 A</u>	October 28, 1988		000	
<u>CN 8706696 A</u>	April 27, 1988		000	
<u>EP 268501 B1</u>	January 19, 1994	F	049	C12N015/00
<u>DE 3788852 G</u>	March 3, 1994		000	C12N015/00
<u>ES 2061521 T3</u>	December 16, 1994		000	C12N015/00
<u>US 5597570 A</u>	January 28, 1997		036	A61K039/002
<u>CA 1340839 C</u>	December 7, 1999	F	000	C12N015/54
<u>JP 3127261 B2</u>	January 22, 2001		038	C12P021/02
<u>DK 173779 B</u>	October 8, 2001		000	C07K014/435

INT-CL (IPC): A61 K 35/76; A61 K 37/02; A61 K 39/00; A61 K 39/002; A61 K 39/27; C07 H 21/04; C07 K 13/00; C07 K 14/00; C07 K 14/435; C07 K 15/00; C07 K 15/02; C07 K 15/12; C12 N 1/20; C12 N 5/00; C12 N 7/00; C12 N 7/01; C12 N 9/10; C12 N 15/00; C12 N 15/54; C12 P 19/34; C12 P 21/02; G01 N 33/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	K00C	Draw D
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☐ 7. Document ID: FR 2603040 A, PH 31198 A, JP 63295599 A, EP 268501 B1, DE 3788852 G, US 5597570 A, CA 1340839 C, JP 3127261 B2, DK 173779 B

L8: Entry 7 of 8

File: DWPI

Feb 26, 1988

DERWENT-ACC-NO: 1988-107142

DERWENT-WEEK: 200254

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TITLE: New protein contg. epitope(s) of Schistosoma mansoni antigen - useful as vaccine component, and new DNA coding sequences and vectors, esp. pox-virus

INVENTOR: BALLOUL, J; CAPRON, A ; GRZYCH, J ; KIENY, M ; LECOCQ, J ; LOISON, G ; PIERCE, R ; SONDERMEYER, P ; BALLOUL, J M ; GRZYCH, J M ; KIENY, M P ; LECOCQ, J P ; SONDERMEY, P ; SONDERMEYE, P

PRIORITY-DATA: 1986FR-0011986 (August 22, 1986), 1986FR-0611986 (August 22, 1986), 1987FR-0005692 (April 22, 1987), 1987FR-0005691 (April 22, 1987)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>FR 2603040 A</u>	February 26, 1988		049	
<u>PH 31198 A</u>	May 5, 1998		000	A61K039/002
<u>JP 63295599 A</u>	December 1, 1988		000	
<u>EP 268501 B1</u>	January 19, 1994	F	049	C12N015/00
<u>DE 3788852 G</u>	March 3, 1994		000	C12N015/00
<u>US 5597570 A</u>	January 28, 1997		036	A61K039/002
<u>CA 1340839 C</u>	December 7, 1999	F	000	C12N015/54
<u>JP 3127261 B2</u>	January 22, 2001		038	C12P021/02

DK 173779 B

October 8, 2001

000

C07K014/435

INT-CL (IPC): A61 K 35/76; A61 K 37/02; A61 K 39/00; A61 K 39/002; A61 K 39/39;
C07 H 21/04; C07 K 13/00; C07 K 14/00; C07 K 14/435; C07 K 15/00; C07 K 15/08;
C12 N 1/20; C12 N 5/00; C12 N 7/00; C12 N 7/01; C12 N 9/10; C12 N 15/00;
C12 N 15/54; C12 P 21/02; G01 N 33/53

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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☐ 8. Document ID: EP 251933 A, US 5753236 A, FR 2601037 A, DK 8703408 A, PT 85248 A, JP 63258598 A, EP 251933 B1, DE 3785614 G, US 5279822 A, ES 2056834 T3, JP 08140694 A

L8: Entry 8 of 8

File: DWPI

Jan 7, 1988

DERWENT-ACC-NO: 1988-001773

DERWENT-WEEK: 199827

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TITLE: New epitope contg. fragments of Schistosoma mansoni 28 kD protein - prepd.
by digestion with V8 protease, useful as vaccine components

INVENTOR: BALLOUL, J; CAPRON, A ; GRZYCH, J ; PIERCE, R ; GRZYCH, J M

PRIORITY-DATA: 1986FR-0009663 (July 3, 1986)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
<u>EP 251933 A</u>	January 7, 1988	F	022	
<u>US 5753236 A</u>	May 19, 1998		000	A61K039/02
<u>FR 2601037 A</u>	January 8, 1988		000	
<u>DK 8703408 A</u>	January 4, 1988		000	
<u>PT 85248 A</u>	July 29, 1988		000	
<u>JP 63258598 A</u>	October 26, 1988		000	
<u>EP 251933 B1</u>	April 28, 1993	F	013	A61K039/00
<u>DE 3785614 G</u>	June 3, 1993		000	A61K039/00
<u>US 5279822 A</u>	January 18, 1994		006	A61K039/00
<u>ES 2056834 T3</u>	October 16, 1994		000	A61K039/00
<u>JP 08140694 A</u>	June 4, 1996		005	C12P021/08

INT-CL (IPC): A61 K 37/02; A61 K 39/00; A61 K 39/002; A61 K 39/02; A61 K 39/395;
C07 K 1/00; C07 K 15/04; C07 K 16/00; C12 N 5/00; C12 N 5/10; C12 N 15/00;
C12 N 15/02; C12 P 21/00; C12 P 21/06; C12 P 21/08; C12 P 21/08; C12 R 1/91

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw D
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